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IFIUDB
NEWS 6 Apr 89 Records from IF.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 89 BIOSIS Gene Names now available in TOXCENTER
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NEWS 9 Jun 88 New e-mail delivery for search results now available
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NEWS 11 Jun 88 ECTFULL has been reloaded
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NEWS 15 Jul 88 NETFIRST to be removed from STN
NEWS 16 Aug 88 CANCERLIT reload
NEWS 17 Aug 88 PHARMAMarketLetter (PHARMAML) - new on STN
NEWS 18 Aug 88 NTIS has been reloaded and enhanced
NEWS 19 Aug 88 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 88 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 88 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 88 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 88 CAPID has been reloaded and enhanced
NEWS 24 Sep 88 Experimental properties added to the REGISTRY file
NEWS 25 Sep 88 Indexing added to some pre-1907 records in CA/CAPLUS
NEWS 26 Sep 88 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 88 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28 Oct 88 EVENTLINE has been reloaded
NEWS 29 Oct 88 EILSTEIN adds new search fields
NEWS 30 Oct 88 Nutraceuticals International (NUTRACEUT) now available on
STN
NEWS 31 Oct 88 MEDLINE SDI run of October 3, 1988
NEWS 32 Nov 88 OKINIT has been renamed APOLLIT
NEWS 33 Nov 88 More calculated properties added to REGISTRY
NEWS 34 Dec 88 TIRKAT will be removed from STN
NEWS 35 Dec 88 CSA files on STN
NEWS 36 Dec 88 ECTFULL now covers WP/PET Applications from 1978 to date
NEWS 37 Dec 88 TOXCENTER enhanced with additional content
NEWS 38 Dec 88 Asia Clinical Trials Insight now available on STN
NEWS 39 Dec 88 ISMEC no longer available

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CURRENT MACINTOSH VERSION IS V6.1b(ENG) AND V6.0Jb(JP),

AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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= s library (la) seeding or growing
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 Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=) for a list of commands which can be used in this file.

= FILE BIOSIS MEDLINE EMBASE LIFESCI CAPLUS		
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	ENTRY	SESSION
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	ENTRY	SESSION
FULL ESTIMATED COST	3.74	4.16

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=> s chicory (2a) seeding or growing
L1 484111 CHICORY (2A) SEEDING OR GROWING

=> s 11 and non (w) conventional
L1 31 L1 AND NON (W) CONVENTIONAL

=> dup rem L2
PROCESSING COMPLETED FOR L2
L3 31 DUP REM L2 (14 DUPLICATES REMOVED)

=> d 13 1-21

L3 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2002:172116 CAPLUS
EN 137:144715

TI **Non-conventional** directions in the use of distillery
residue

AU Gnaprynski, Bogusław; Kłosowski, Grzegorz; Kotarska, Katarzyna; Wolska,
Malgorzata

CS Samodzielna Pracownia Gerzelnicza, Inst. Biotechnol. Przemyslu
Rolno-Spozywczego, Bydgoszcz, Pol.

SO Przemysl Fermentacyjny i Owocowo-Warzywny (2002), 46(1), 20-21
CODEN: EPFOWD; ISSN: 0137-1645

FB Wydawnictwo SIGMA-NOT

BT Journal

LA Polish

L3 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2001:723456 CAPLUS
EN 136:58315

TI Desalination and water resource management in Kuwait

AU Hamada, Mohamed F.

CS Department of Civil Engineering, Kuwait University, Safat, 13060, Kuwait

SO Desalination (.001), 139(1-3), 385-395

CODEN: DESLNAH; ISSN: 0011-9164

FB Elsevier Science B.V.

BT Journal

LA English

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2001:154224 CAPLUS

TI Hadrons (protons, neutrons, heavy ions) in radiation therapy: rationale,
achievements and expectations

AU Wambersie, Andre; Gailbauer, Reinhard A.

CS Universite Catholique de Louvain Cliniques Universitaires St-Luc,

Brussels, B-1200, Belg.
SO Radiochim. Acta (2001), 89(4-5), 245-253
CODEN: RAACAP; ISSN: 0033-8220
PB P. Oldenbourg Verlag
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

1: ANSWER 4 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
AN 2002:10489 BIOSIS
DI PREV200200010489
TI Regulation of the AEF1 gene, a mitochondrial elongation factor G from
the
dimorphic yeast *Arxula adenivorans* LS3.
AU Wartmann, Thomas; Gellissen, Gerd; Kunze, Gotthard (1)
CS (1) Institut fuer Pflanzengenetik und Kulturpflanzenforschung,
Corrensstrasse 3, 06466, Gatersleben; kunzeg@ipk-gatersleben.de Germany
SO Current Genetics, (October, 2001) Vol. 40, No. 3, pp. 172-178. print.
ISSN: 0172-9081.
DT Article
LA English

1: ANSWER 5 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2001:723627 CAPLUS
TI Desalination and water resource management in Kuwait
AU Hamada, Mohamed F.
CS Department of Civil Engineering, Kuwait University, Safat, 13060, Kuwait
SO Desalination (2001), 138:1-3, 165
CODEN: DESHAH; ISSN: 0011-9164
PB Elsevier Science B.V.
DT Journal
LA English

1: ANSWER 6 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2000:842989 CAPLUS
DI 134:75624
TI Microbial degradation of organic wastes at low temperatures
AU Ramana, K. V.; Singh, Lokendra
CS Defence Research and Development Establishment, Gwalior, 474 002, India
SO Defence Science Journal (2000), 50(4), 371-382
CODEN: DSJDAH; ISSN: 0011-744X
PB Defence Scientific Information & Documentation Centre
DT Journal; General Review
LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

1: ANSWER 7 OF 21 CAPLUS COPYRIGHT 2003 ACS
AN 2001:368113 CAPLUS
TI Towards healthy microclimate of closed spaces and habitats
AU Besler, Gerard Jan; Besler, Maciej
CS Faculty of Environmental Engineering, Chair of Air Conditioning and
District Heating, Wroclaw University of Technology, Wroclaw, 50-373, Pol.
SO Environ. Prot. Eng. (2000), 16(3), 23-38
CODEN: EPEND9; ISSN: 0924-6460
PB Wroclaw University of Technology
DT Journal
LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:201143 BIOSIS
DN PEEV20000201143
TI A note on the protein content in **non-conventional**
diets for pigs.
AU Diaz, C. P. (1); Despaine, Faiza (1)
CS (1) Instituto de Ciencia Animal, San Jose de las Lajas, La Habana Cuba
SO Cuban Journal of Agricultural Science, (March, 1999) Vol. 33, No. 1, pp.
49-52.
ISSN: 1564-0404.
DT Article
LA English
SL English

L3 ANSWER 9 OF 21 MEDLINE DUPLICATE 2
AN 19990103781 MEDLINE
DN 99103781 PubMed ID: 9891e32
TI **Non-conventional** respiratory support modalities
applicable in the older child. High frequency ventilation and liquid
ventilation.
AU Kallas H C
CS Department of Pediatrics, University of California, Davis, School of
Medicine, Sacramento, USA.. hjkallas@ucdavis.edu
SO CRITICAL CARE CLINICS, (1998 Oct) 14 (4) 655-63. Ref: 245
Journal code: 3507718. ISSN: 0749-0704.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LA English
FS Priority Journals
EM 199901
ED Entered STN: 19990216
Last Updated on STN: 19990716
Entered Medline: 19990129

L3 ANSWER 10 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS
INC.DUPLICATE
3
AN 1998:395640 BIOSIS
DN PEEV199800395640
TI Central regulation of autonomic function: No brakes.
AU Kruckoff, Teresa L. (1)
CS (1) Dep. Cell Biol. Anat., Fac. Med., Univ. Alberta, Edmonton, AB T6G 2H7
Canada
SO Clinical and Experimental Pharmacology and Physiology, (June, 1998) Vol.
25, No. 6, pp. 474-478.
ISSN: 0305-1870.
DT Article
LA English

L3 ANSWER 11 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS
INC.DUPLICATE
4
AN 1997:148673 BIOSIS
DN PEEV199700148673
TI **Non-conventional** role of lysosomal acid phosphatase in

olfactory receptor axons: Co-localization with growth-associated phosphoprotein-43.

AU Wolff, J. P.; Liu, W. L. (1); Boettcher, H.; Krizbai, I.; Joo, F.; Saftig,

P.; Parducz, A.

CS (1) Dep. Anatomy, Univ. Maryland Sch. Med., Baltimore, MD 21201-1559 USA

SO Neuroscience, (1997) Vol. 79, No. 3, pp. 887-891.

ISSN: 0304-4512.

DT Article

LA English

LE ANSWER 12 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 1998:64134 BIOSIS

DN PREV19980064134

TI Effect of lasalocid and a *Saccharomyces cerevisiae* culture on growing "Criollo" lambs fed **non-conventional** ingredients.

AU Hernandez-Sanchez, D.; Gonzalez, S. S.; Ortigacarrilla, M. E.; Cobos, M. A.

CS Colegio Postgraduados, Montecillo, Edo Mexico; Mexico

SO Journal of Animal Science, (1997) Vol. 75, No. SUPPL. 1, pp. 271.

Meeting Info.: 39th Annual Meeting of the American Society of Animal Science Nashville, Tennessee, USA July 29-August 1, 1997

ISSN: 0021-8596.

DT Conference

LA English

LE ANSWER 13 OF 21 CAPLUS COPYRIGHT 2003 ACS

AN 1997:61767 CAPLUS

DN 107:232007

TI Growth and productivity of **non-conventional** energy source: J. curcas

AU Roy, Shikha

CS Energy Plantation Demonstration Project Centre, Department of Botany, University of Rajasthan, Jaipur, 302 004, India

SO Biomass for Energy and the Environment, Proceedings of the European Bioenergy Conference, 9th, Copenhagen, June 24-27, 1996 (1996), Volume 1, 560-563. Editor(s): Chartier, Philippe. Publisher: Elsevier, Oxford, UK. CODEN: 61B2A6

DT Conference

LA English

LE ANSWER 14 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE

b

AN 1995:304560 BIOSIS

DN PREV199500304560

TI Fungicide use reduction in apple production-potentials or pipe dreams.

AU Penrose, L. J.

CS N.S.W. Agric., Agric. Res. Cent., Forest Road, Orange, N.S.W. 2800 Australia

SO Agriculture Ecosystems & Environment, (1995) Vol. 53, No. 3, pp. 231-241.

ISSN: 0167-6369.

DT Article

LA English

LE ANSWER 15 OF 21 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.

AN 19949308 EMBASE

DN 1995049308

TI Perspectives from general practice: Skilled doctors or imported
complementary practitioners?
AU Peters C.
CS Centre Community Care Primary Health, University of Westminster, 33 Queen
Anne Street, London W1N 9EB, United Kingdom
SO Complementary Therapies in Medicine, (1991) 1/1 (32-36).
ISSN: 0965-2149 CODEN: CTHMES
CY United Kingdom
DI Journal; (Short Survey)
EY 317 Public Health, Social Medicine and Epidemiology
LA English
SL English

13 ANSWER 16 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1796114944 BIOSIS
BU PREV139698627079
TI Prediction of protein quality from a model for N digestion and metabolism
in pigs with **non-conventional** rations.
AU Larduet, R.; Savon, Lourdes
CS Inst. Ciencia Anim., Apartado 24, San Jose de las Lajas, La Habana Cuba
SO Cuban Journal of Agricultural Science, (1995) Vol. 29, No. 1, pp. 1-9.
ISSN: 0-64-1344.
DI Article
LA English

13 ANSWER 17 OF 21 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.
AN 91041444 EMBASE
BU 1991041444
TI Wastewater reuse for irrigation in the Near East Region.
AU Arar A.
CS Land and Water Development Division, Food and Agriculture Organization of
the United Nations, Via delle Terme di Caracalla, 00100 Rome, Italy
SO Water Science and Technology, (1991) 23/10-12 (2127-2134).
ISSN: 0773-1223 CODEN: WSTED4
CY United Kingdom
DI Journal; Conference Article
EY 046 Environmental Health and Pollution Control
LA English
SL English

13 ANSWER 18 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 109132871 BIOSIS
BU BA9131922
TI ECONOMIC IMPORTANCE OF SUGARCANE BITH AS A **NON-
CONVENTIONAL** FEED RESOURCE FOR **GROWING** RUMINANT.
AU ALTAF-UR-REHMAN M A; AHMAD N
CS DEB. POULTRY SCI., N.W.F.P. AGRIC. UNIV., PESHAWAR.
SO SASHAD J AGRIC, (1990) 6 (5), 421-424.
CODEN: SJAGSD.
EY BA; QLD
LA English

13 ANSWER 19 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 199131943 BIOSIS
BU BA9130433
TI DISTRIBUTION OF EXCHANGEABLE AND TOTAL MANGANESE IN RUBBER **GROWING**
REGIONS OF INDIA.
AU ANNA M K; AUGUSTHY A; KRISHNANUMAR V; MAIHEW M
CS RUBBER RES INST. INDIA, KOTTAYAM 686 009, INDIA.
SO INDIAN J NAT RUBBER RES, (1989) 2 (2), 91-98.

CODEN: IJNREZ.
FS BA; OLD
LA English

L3 ANSWER 20 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1977:238158 BIOSIS
DN BA64:60627
TI NUTRITIONAL EVALUATION OF 6 PROTEIN CONCENTRATES FOR THE PIG.
AU KONDOU A C
SO AUST J EXP AGRIC ANIM HUSB, (1977) 17 (85), 263-267.
CODEN: AAAHAN. ISSN: 0045-360X.
FS BA; OLD
LA Unavailable

L3 ANSWER 21 OF 21 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.
AN 78165041 EMBASE
DN 1978165041
TI Waste segregation as a means of enhancing onsite wastewater management.
AU Siegrist P.
CS Small Scale Waste Managem. Project, Univ. Wisconsin, Madison, Wis.,
United
States
SO Journal of Environmental Health, (1977) 40/1 (5-9).
CODEN: JENVHA
CT United States
DT Journal
FS 917 Public Health, Social Medicine and Epidemiology
946 Environmental Health and Pollution Control
LA English

=> s chicory (2a) grow? (p) non(w)conventional (2a) method or process
3 FILES SEARCHED...

L4 4130367 CHICORY (2A) GROW? (P) NON(W) CONVENTIONAL (2A) METHOD OR
PROCES

3

=> s 14 and inulin
L5 1635 L4 AND INULIN

=> s 15 and fructose
L6 163 L5 AND FRUCTOSE

=> 16 and FET
L6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt =>.

=> s 16 and FEH
L7 0 L6 AND FEH

=> s 15 and fructan (w)exohydrolase
L8 0 L5 AND FRUCTAN (W) EXOHYDROLASE

=> d 1: 1-2

L3 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1993:347917 BIOSIS
DN PREV199326044557

TI **Fructan exohydrolase** from grasses.
AU Simpson, Richard J.; Bonnett, Graham D.
CS Sch. Agric. and Forestry, Univ. Melbourne, Parkville, 3052 Australia
SO New Phytologist, (1993) Vol. 123, No. 3, pp. 453-469.
ISSN: 0028-646X.
DT Article
LA English

1- ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 1993:512300 CAPLUS
DN 119:113303

TI **Fructan exohydrolase** from grasses
AU Simpson, Richard J.; Bonnett, Graham D.
CS Sch. Agric. For., Univ. Melbourne, Parkville, 3052, Australia
SO New Phytologist, (1993), 123(3), 453-69
CODEN: NEPHAV; ISSN: 0028-646X
DT Journal; General Review
LA English

= s 16 and degree(w) of (w) polymerization
L9 9 L6 AND DEGREE(W) OF (W) POLYMERIZATION

= s 16 and 18
L10 9 L6 AND 18

= d 119 1-5

L10 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:404980 BIOSIS
DN BREV200200404130
TI Soluble dietary fibres in Jerusalem artichoke powders: Composition and application in bread.
AU Praznik, W. (1); Cieslik, E.; Filipiak-Florkiewicz, A.
CS (1) Institute of Chemistry, University of Agricultural Sciences, Muthgasse 18, A-1190, Wien: wpraznik@edvz.boku.ac.at Austria
SO Nahrung, (June, 2002) Vol. 46, No. 3, pp. 151-157. print.
ISSN: 0027-769X.
DT Article
LA English

L10 ANSWER 1 OF 5 MEDLINE
AN 2002361442 MEDLINE
DN 21101611 PubMed ID: 12108113
TI Soluble dietary fibres in Jerusalem artichoke powders: composition and application in bread.
AU Praznik W; Cieslik E; Filipiak-Florkiewicz A
CS Institute of Chemistry, University of Agricultural Sciences, Muthgasse 18, A-1190 Wien, Austria.. wpraznik@edvz.boku.ac.at
SO NAHRUNG, (2002 Jun) 46 (3) 151-7.
Journal code: 0142530. ISSN: 0027-769X.
CY Germany; Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EN 200210
ED Entered STN: 20020712
Last Updated on STN: 20021008

Entered Medline: 20021007

L10 ANSWER 3 OF 5 MEDLINE
AN 199:356476 MEDLINE
EN 98396476 PubMed ID: 9691447
TI The platinum-catalysed oxidation of **inulin**.
AU Verraeke L L; Peters J A; van Bekkum H
CS Laboratory of Organic Chemistry and Catalysis, Delft University of Technology, The Netherlands.
SO CARBOHYDRATE RESEARCH, (1998 Jan) 306 (1-2) 197-203.
Journal code: 00435496. ISSN: 0008-6215.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199810
ED Entered STN: 19981007
Last Updated on STN: 19981008
Entered Medline: 19981001

L10 ANSWER 4 OF 5 EMBASE COPYRIGHT 2013 ELSEVIER SCI. B.V.
AN 199A221657 EMBASE
TI The platinum-catalysed oxidation of **inulin**.
AU Verraeke L.L.; Peters J.A.; Van Bekkum H.
CS H. Van Bekkum, Lab. of Organic Chemistry/Catalysis, Delft University of Technology, Julianalaan 136, 2628 BL Delft, Netherlands
SO Carbohydrate Research, (1998) 306 1-2 (197-203).
Refs: 24
ISSN: 0008-6215 CODEN: CEBRAT
EPI S 0008-6215(97)10041-6
CY United Kingdom
DT Journal; Article
FS C19 Clinical Biochemistry
LA English
SL English

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS
AN 199:537902 CAPLUS
EN 197:568909
TI Soluble dietary fibres in Jerusalem artichoke powders: composition and application in bread
AU Praszak, W.; Gieslik, E.; Filipiak-Florkiewicz, A.
CS Institute of Chemistry, University of Agricultural Sciences, Vienna, A-1190, Austria
SO Nahrung (2002), 46 3, 151-157
CODEN: NAHRAR; ISSN: 0027-769X
EP Wiley-VCH Verlag GmbH
DT Journal
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 15 and IP

L11 8 L5 AND OF

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 3 DUP REM L11 (% DUPLICATES REMOVED)

= d 112 1-3

L12 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1

AN 2003:404550 BIOSIS

DN PREV200300404580

TI Soluble dietary fibres in Jerusalem artichoke powders: Composition and application in bread.

AU Praczuk, W. (1); Cieslik, E.; Filipiak-Florkiewicz, A.

CS (1) Institute of Chemistry, University of Agricultural Sciences, Mithgasse

18, A-1120, Wien; wpraczuk@edvi.boku.ac.at Austria

SO Nahrung, (June, 2002) Vol. 46, No. 3, pp. 151-157. print.

ISSN: 0931-769X.

DT Article

LA English

L12 ANSWER 2 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2

AN 1996:341526 BIOSIS

DN PREV199600341526

TI The platinum-catalyzed oxidation of **inulin**.

AU Verruett, Dorine L.; Peters, Joop A.; Van Bekkum, Herman (1)

CS (1) Lab. Organic Chem. and Catalysis, Delft Univ. Technol., Julianalaan 136, 2628 BL Delft Netherlands

SO Carbohydrate Research, (Jan., 1996) Vol. 306, No. 1-2, pp. 197-203.

ISSN: 0008-6215.

DT Article

LA English

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

AN 1996:214794 CAPLUS

DN 124:159171

TI Fractionated Poly-disperse carbohydrate compositions for food, cosmetics, and pharmaceuticals

IN Smits, Georges; Deenekinder, Imo; Rooten, Karl

PA Tiense Suikerraffinaderij, Belg.

SO PCT Int. Appl., 88 pp.

COLEN: P10002

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	----	-----	-----
PI	WO 9601849	A1	19960125	WO 1996-BE67	19950907
	W:	AM, AU, BB, BG, BR, BY, CA, CN, CZ, DE, FI, GE, HU, IS, JP, KE, KG, KF, KR, KZ, LR, LU, LS, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RU, RU, SD, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN			
	EW:	KE, MW, SD, SZ, UG, AG, BR, CH, DE, DK, ES, FR, GR, GR, IE, IT, LU, MC, NL, PT, SE, BF, BU, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	EE 1004494	A3	19960507	EE 1994-638	19940707
	EE 1004706	A6	19970701	EE 1994-893	19940930
	CA 2123061	AA	19960115	CA 1995-2193061	19950707
	AU 9630731	A1	19960209	AU 1995-30731	19950707
	AU 695350	B2	19980815		
	EP 769026	A1	19970413	EP 1995-926341	19950707
	EP 769026	B1	19990908		
	E:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,			

SE

BR 9510202	A	19971104	BR 1995-10202	19950707
CT 10502678	T2	19980310	JE 1995-504019	19950707
AT 184140	E	19990915	AT 1995-926341	19950707
ES 2138745	T3	20000116	ES 1995-926341	19950707
NO 9601339	A	19970807	NO 1996-5339	19961212
FI 9707044	A	19970103	FI 1997-44	19970103
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=> s 15 and roots

L13 38 L5 AND ROOTS

=> dup rem l13

PROCESSING COMPLETED FOR L13

L14 36 DUP REM L13 (2 DUPLICATES REMOVED)

=> d l14 ti 1-16

L14 ANSWER 1 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI **Inulin** molecular weight fractions obtained by precipitation at low temperature

L14 ANSWER 2 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI UV degradation of sesquiterpene lactones in chicory extract: kinetics and identification of reaction products by HPLC-MS

L14 ANSWER 3 OF 36 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.

TI Technological functionality of **inulin** and oligofructose.

L14 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI Carb-coffee: a classic coffee surrogate

L14 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI **Process** for the manufacture of chicory **inulin**, hydrolysates and derivatives of **inulin**, and improved chicory **inulin** products, hydrolysates and derivatives

L14 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI Cell wall structure and organization of *Kluyveromyces marxianus* CBS 6556 in relation to the secretion of inulinase enzymes

L14 ANSWER 7 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI Inotec. An alternative binder in spray-dried granulates for the ceramic industry

L14 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI Extraction of chicory

L14 ANSWER 9 OF 36 AGRICOLA

TI Complex melting of semi-crystalline chicory (*Cichorium intybus* L.) root **inulin**.

L14 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2003 ACS

TI Isolation of **inulin** from chicory root

- L14 ANSWER 11 OF 36 AGRICOLA
TI Fructans in callus of Gomphrena macrocephala St.-Hil.
- L14 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI **Process** for obtaining a purified solution of **inulin** from chicory juice
- L14 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI **Processes** for extraction and transformation of sugars from chicory **roots**
- L14 ANSWER 14 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE
1
TI Fructan variations in tuberous **roots** of Viguiera discolor Baker (Asteraceae): The influence of phenology.
- L14 ANSWER 15 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Pilot-scale production of **inulin** from chicory **roots** and its use in food stuffs
- L14 ANSWER 16 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI A **process** for the production of **inulin** and its hydrolysis products from plant material
- L14 ANSWER 17 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI A method for preparing a mixture of saccharides
- L14 ANSWER 18 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Additive for stock feeds, stock feed containing additive, and **process** for preparation of additive
- L14 ANSWER 19 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Optimization of extraction of sesquiterpene lactones from cake from processing of Inula **roots**
- L14 ANSWER 20 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI DYNAMICS OF CARBOHYDRATES IN THE ROOT SYSTEM OF ACROPTILON-REPENS.
- L14 ANSWER 21 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Changes in carbohydrates during the production of coffee substitute extracts, especially in the roasting **process**
- L14 ANSWER 22 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Dynamics of carbohydrates in the root system of Acroptilon repens DC
- L14 ANSWER 23 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Levulose
- L14 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Nature of water absorption by **roots** of detopped plants
- L14 ANSWER 25 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Theory of the diffusion **process** in sugar factories. III. The ideal countercurrent extraction, the Fehert system
- L14 ANSWER 26 OF 36 CAPLUS COPYRIGHT 2003 ACS
TI Physiological and biochemical characteristics of improved forms of kok-saghyz

L14 ANSWER 27 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Post-harvest accumulation of rubber in the **roots** of krym-saghyz

L14 ANSWER 28 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Laticiferous system as one regulating the course and direction of biochemical **processes** in plants

L14 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Laticiferous system as one regulating the course and direction of biochemical **processes** in plants

L14 ANSWER 30 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Obtaining rubber from the **roots** of kok-saghyz

L14 ANSWER 31 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Technology of the extraction of natural rubber

L14 ANSWER 32 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Obtaining rubber from the **roots** of kok-saghyz

L14 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI Technology of the extraction of natural rubber

L14 ANSWER 34 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI The dynamics of nutrition and development of kok-saghyz

L14 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI **Inulin** in plants, its origin and transformations

L14 ANSWER 36 OF 36 CAPLUS COPYRIGHT 2003 ACS
 TI **Inulin** in plants, its origin and transformations

=> d 114 5, 9-10, 11, 13 so An ABS TI

L14 ANSWER 9 OF 36 CAPLUS COPYRIGHT 2003 ACS
 SO Eur. Pat. Appl., 42 pp.
 CODEN: EPXXDW

IN Smits, Georges; De Beeneer, Leen

AB The invention provides an improved **process** for the manuf. of chicory **inulin**, hydrolysates and derivs. of **inulin** by conventional manufg. techniques from **roots** of chicory grown in the northern hemisphere from Dec. 1 until Mar. 14, May 15 until May 31, and June 1 until Nov. 30 and in the southern hemisphere from June 1 until Sept. 14, Sept. 15 until Sept. 30, Oct. 1 until Nov. 30, and Dec. 1 until May 31. Selection of said proper conditions enables to provide a growing and/or processing period for the chicory **roots** which may partly or wholly extend beyond the conventional periods. The invention relates also to improved grades of chicory **inulin**, of hydrolysates of chicory **inulin**, such as e.g. a polydisperse oligofructose compn. and a fructose compn., as well as to the use of these products in the manuf. of food, feed, drinks, prophylactic and therapeutical compns., chem. derivs. and non-food compns. Improved std. grade chicory **inulin** according to the invention presents a degree of polymn. which is at least 20 % higher than the one of conventional std. grade chicory **inulin**.

TI **Process** for the manufacture of chicory **inulin**, hydrolysates and derivatives of **inulin**, and improved chicory **inulin** products, hydrolysates and derivatives

L14 ANSWER 8 OF 36 CAPLUS COPYRIGHT 2003 ACS

SO Czech Journal of Food Sciences (1998), 16(2), 72-76

CODEN: CJFSF2

AT Buxa, Stanislav

AB The chicory (*Cichorium intybus*) is an important source of **inulin**, a perspective food additive. The goal of this study was to find an extn. procedure to obtain pure exts. of **inulin** or bitter compds. from dried chicory **roots**. Chicory root extn. conditions, including the type of solvent (water, 40% aq. ethanol, abs. ethanol, isopropanol, n-hexane, Et acetate), solid/liq. ratio (1:10), time (up to 360 min), and temp. (25, 50, 80.degree.C), and the quality of exts., including the contents of **inulin**, bitter compds. (lactucopicrin, lactucin), color and assay methods, were evaluated. The best results were

obtained with water or 40% ethanol extn. at 50.degree.C for 60 min.

TI Extraction of chicory

L14 ANSWER 9 OF 36 AGRICOLA

SO Carbohydrate research, Aug 1998. Vol. 319, No. 1/2. p. 65-75

Publisher: Oxford : Elsevier Science Ltd.

CODEN: CRBRAT; ISSN: 0008-6215

AT Hebetto, C.L.M.; Delcour, J.A.; Koch, M.H.J.; Boonen, K.; Kleppinger, R.; Mischenko, N.; Reynaers, H.

AB When concentrated solutions (31-45% by weight) of **inulin** (degree of polymerization 3-60, number average degree of polymerization 12) are cooled at 1 degree C/min or 0.25 degrees C/min from 96 degrees C to 20 degrees C, suspensions of semi-crystalline material in water are formed.

A

thermal nucleation **process** was detected by optical microscopy: the 9-like shaped crystallites resulting from primary nucleation at higher

temperature are larger than those resulting from secondary nucleation at lower temperature. Differential scanning calorimetry (DSC) thermograms display melting profiles with three to four partly overlapping endotherms that vary as a function of concentration, cooling rate during crystallization and storage time at 25 degrees C of the crystallite suspension. Recrystallization during melting was observed. The wide-angle X-ray scattering patterns of the samples at 25 degrees C correspond to those of the hydrated crystal polymorph. The structural changes during melting indicated the existence of a single crystal polymorph throughout melting. A periodicity of 98 angstrom, arising from alternating regions

of

different electron density, is detected in the small angle X-ray scattering patterns at 25 degrees C. The stepwise increase of the long period upon heating is related to the existence of two types of lamellar stacks: one with a higher long period, resulting from the primary nucleation and thus crystallized at high temperature, and a second one with a smaller long period, formed by crystallization at lower temperature. The lamellae formed at low temperature melt at a lower temperature than those formed at high temperature, explaining the existence of the two DSC-endotherms.

TI Complex melting of semi-crystalline chicory (*Cichorium intybus* L.) root **inulin**.

L14 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2003 ACS

SO Potravinarska Vedy (1997), 15(1), 49-67

CODEN: POVEED; ISSN: 0662-8613

AT Hubnik, Jdenek; Korcakova, Ivana; Kadlec, Pavel; Starhova, Helena; Pour, Vladimir; Cherek, Miloslav

AB This paper deals with methods used for the extn., isolation, refining and

manufg. of **inulin** from chicory. The introductory study completes by way of performed expts. the fundamental phys. and chem. properties of techn. and pure solns. of **inulin** and chicory exts. The study also discusses the necessary kinetic data concerning crystn., extn. and filtration **process**. There are applied recent procedures - for example: cross-flow membrane filtration, film evapn., spray drying and cooling crystn. by means of computer. For the detn. of **inulin**, other saccharides and further compas. occurring in exts. of chicory **roots** anal. methods were developed which apply HPLC and ITP (isotachopheresis). In conclusion of work the variant design of scheme demonstrating technol. **process** of the isolation of **inulin** and fructooligosaccharides is mentioned.

TI Isolation of **inulin** from chicory root

L14 ANSWER 12 OF 36 CAPLUS COPYRIGHT 2003 ACS

S0 Eur. Pat. Appl., 8 pp.

CODEN: EPXNDW

IN Alard, Georges Maurice

AB In the title **process**, with decreased losses, the chicory juice is lime- and carbonated simultaneously at pH 11. Chicory root chips (contg. H₂O 33.34, **inulin** 16.4%, sugars 1.33, impurities 3.99, and marc 4.93%) were leached with H₂O (132-137 L/100 kg) in a sugar diffuser at 65-70.degree., the juice (pH 5.6, brix 14.5%) was sepd. from pulp (47 kg/100 kg chips, contg. 1.58% **inulin**), basified with CaO (2.6-3.0 g/L) to pH 10.8-11.2, heated to 85.degree., treated with aq. Ca(OH)₂ (11 g CaO/L) and sufficient CO₂ to maintain a pH of 11.0, sepd. from sediments, heated to 93.degree., and recarbonated (pH 8.6-8.9) to give a soln. with brix vol. 13.2-13.5 g/100 mL, color (° brix) 10,000-11,000, Ca salts (° brix) 600 mg, and sugar losses to residues 0.30-0.38 kg/100 kg chips.

TI **Process** for obtaining a purified solution of **inulin** from chicory juice

L14 ANSWER 13 OF 36 CAPLUS COPYRIGHT 2003 ACS

S0 Comptes Rendus de l'Academie d'Agriculture de France (1994), 80(7), 31-46

CODEN: CRAFEQ; ISSN: 0989-6948

AV de Baynast, Regis; Benard, Catherine

AB A review, with no refs. Chicory (*Cichorium intybus*) **roots** contain 17% of **inulin**. It is an industrial source of fructose. There are two **processes** leading to exts. with high fructose content. The diffusion **process**, similar to that used in the sugar beet industry, gives partially hydrolyzed **inulin**. The enzymic **process** liquifies cell walls. It allows hydrolysis of **inulin** and other polymers, giving a mixt. of fructose (88%) and glucose (12%). The ext. is centrifuged and ultrafiltered, giving a stable syrup.

TI **Processes** for extraction and transformation of sugars from chicory **roots**

=> d 114 :

L14 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2003 ACS

AN 1299:460076 CAPLUS

DN 131:10370

TI **Process** for the manufacture of chicory **inulin**, hydrolysates and derivatives of **inulin**, and improved chicory **inulin** products, hydrolysates and derivatives

IN Smits, Georges; De Leenheer, Leen

PA Tiense Suikerraffinaderij N.V. (Raffinerie Tirlemontoise S.A.), Belg.
 SO Eur. Pat. Appl., 22 pp.
 CODEN: EFXKDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 930317	A1	19990721	EP 1998-870012	19980121
	E: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, PO				
	WO 9937686	A1	19990729	WO 1999-EP155	19990113
	W: AU, CN, IN, TR, US				
	FW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9921650	A1	19990809	AU 1999-21650	19990113
	EP 1049723	A1	20001108	EP 1999-901896	19990113
	E: ES, FR, GB, GR, IT, PT				
	ZA 9901326	A	19990719	ZA 1999-326	19990118
	BR 9901904	A	20010306	BR 1999-2934	19990719
PRAI	EP 1238-870012	A	19980121		
	WO 1999-EP155	W	19990113		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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